

20. The method of claim 18, wherein the mammal is an Aiolos transgenic mouse.

21. The method of claim 18, wherein the antibody is directed to an autoantigen.

22. The method of claim 18, wherein the mammal is immunized with an antigen.

6 23. (Amended) The method of claim [18] 22, wherein the antigen is poorly antigenic in wild type animals.

24. The method of claim 18, wherein the antigen has at least 90% homology between the first and second species, wherein the first species is the animal which provides the antibody and the second species is the species which provides the antigen.

25. The method of claim 18, wherein the antibody is an IgG antibody.

26. The method of claim 18, the mammal carries homozygous null mutations at the Aiolos gene.

27. The method of claim 18, the method further comprises isolating one or more cells from the mammal and isolating the antibody therefrom.

28. The method of claim 18, a cell from the animal is fused with a second cell to provide a hybridoma and the antibody is isolated from the hybridoma.

63 29. (Amended) A method of [providing] obtaining an antibody comprising:
providing a mouse having a cell which is homozygous for null or underexpressing
mutations at the Aiolos locus; and
isolating an antibody from the animal, to thereby obtain an antibody.

30. The method of claim 29, wherein the mouse is an Aiolos transgenic mouse.

31. The method of claim 29, wherein the antibody is directed to an autoantigen.

32. The method of claim 29, wherein the mammal is immunized with an antigen.

33. (Amended) The method of claim [29] 32, wherein the antigen is poorly antigenic in wild type animals.

B4 34. (Amended) The method of claim [29] 32, wherein the antigen has at least 90% homology between the first and second species, wherein the first species is the animal which provides the antibody and the second species is the species which provides the antigen.

35. (Amended) A method of [providing] obtaining a monoclonal antibody, comprising:
providing a mouse having a cell which is homozygous for null or underexpressing mutations at the Aiolos locus;
isolating a cell from the animal; and
isolating an antibody from the cell or a derivative of the cell, to thereby obtain an antibody.

36. The method of claim 35, wherein the derivative is a hybridoma.

37. The method of claim 35, wherein the cell is a lymphocyte.

38. The method of claim 35, wherein the mouse is an Aiolos transgenic mouse.

39. The method of claim 35, wherein the antibody is directed to an autoantigen.

40. The method of claim 35, wherein the mammal is immunized with an antigen.

41. The method of claim 35, wherein the antigen is poorly antigenic in wild type animals.

42. (Cancel) A preparation of an antibody produced by an Aiolos mutant animal or cell.